

# CE

## The Jumpstart on an Elite Career

High tech, complex cutting edge systems  
and computers.



CE  
Construction Electrician

**Construction Electricians (CE)** build, maintain, and operate power production facilities and electrical distribution systems for Naval installations.

This is a 5 year enlistment program.

### What they do

The duties performed by CEs include:

- Installing, maintaining and repairing telephone systems and high and low voltage electrical power distribution networks, both overhead and under ground
- Splicing and laying cables, erecting poles, stringing wires and installing transformers and distribution panels
- Installing, repairing and maintaining street lighting, fire alarm, public address, inter-office and telephone switchboard systems
- Installing, maintaining and repairing interior wiring for lighting and electrical equipment
- Working with batteries, electric motors, relays, solenoids and switches
- Operating electrical generators
- Reading and interpreting blueprints and preparing sketches for projects
- Making estimates of material, labor, and equipment requirements

### Credit Recommendations

The American Council on Education recommends the following semester hour credits in the associate and vocational degree programs, 3 semester hours for both electronic power distribution systems and residential wiring, 2 semester hours for both ac circuits and electric motor control, and 1 semester hour in dc circuits. An AAS of Applied Electronic Studies with specialty in Electronics can be earned from Thomas Edison State College.

### Qualifications and Interests

Construction Electricians must be proficient with tools, equipment and machines and **be able to climb to the top of a 35-foot wooden pole, using gaffs (metal spikes on climbing boots)**. The climber must attach a safety strap, circle 360 degrees both ways, disengage the safety strap and descend the pole within a six-minute time limit. The poles do not have steps or pegs. All CE's are required to use lineman's equipment to climb poles and towers. Other important qualifications include, knowledge of algebra, a good memory, resourcefulness and curiosity. It is also important that they be able to do detailed work and repetitive tasks, and keep accurate records. They must be able to get along with people and



work well as team members. Helpful characteristics include above average speaking and writing skills and good physical condition. Normal hearing, color perception, and corrected vision to 20/20 are required.

### Working Environment

CEs may work in a variety of conditions, independently or as members of a large team. Their many different duties may be performed in climates ranging from tropical to arctic.

### Opportunities

Opportunities to enter the CE rating are excellent for highly qualified applicants. About 1,170 men and women work as Construction Electricians in the Navy.

### Related Civilian Jobs - Dept. of Defense table of Occupational Titles

Cable Splicer  
Central Office Installer  
Central Office Repairer  
Central Office Repairer Supervisor  
Construction Inspector  
Diesel Plant Operator  
Distribution Superintendent I

accelerate your life™

# NAVY



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## Career Path After Recruit Training

Enlistees are taught the fundamentals of this rating through formal Navy schooling. Advanced technical and operational training in these ratings are available during later stages of career development.

School	Present Location	Approximate Training Time	Subjects	Training Methods
Class "A" Technical School	NCTC Sheppard Air Force Base, TX	Approximately 14 Weeks	Basic construction skills and theories required in the CE rating and basic combat skills.	Group and individual instruction.

Following completion of basic technical training, graduates can expect assignments to a Naval Mobile Construction Battalion (NMCB) in Port Hueneme, CA or Gulfport, MS, or to an Amphibious Construction Battalion (ACB) in San Diego, CA or Little Creek, VA. NMCB's operate on a rotating basis between homeport and overseas locations such as Spain, Okinawa, Puerto Rico or Guam. Seabees receive additional specialized combat and construction skills training during home port duty. Seabees construct buildings, roadways, utility systems and other shore facilities to support the Navy and Marine Corps operational and expeditionary forces worldwide.

All personnel now receive sea pay at sea (E-1 to E-9).

Diver  
 Electrician  
 Electrician Supervisor  
 Estimator  
 Line Installer Repairer  
 Line Maintainer  
 Line Supervisor  
 Line Supervisor (light, heat and power)  
 Power Plant Operator  
 Powerhouse Electrician  
 Powerhouse Mechanic  
 Safety Inspector  
 Station Installer and Repairer



Since Navy programs and courses are revised at times, the information contained on this rating card is subject to change.

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 accelerate your life™